

QY 241 WANHDSKYAVMGCTSMATPIVAGNVAQLREHFVVRGRTTPKPSLLKAAIAGADIGLY 300  
DB 241 WANHDSKYAVMGCTSMATPIVAGNVAQLREHFVVRGRTTPKPSLLKAAIAGADIGLY 300  
QY 301 PNGNOGWRVTLDKSLNVAVYNESSLSSTOKATYSFTATAGKPLKISLVNSDAPASTTA 360  
DB 301 PNGNOGWRVTLDKSLNVAVYNESSLSSTOKATYSFTATAGKPLKISLVNSDAPASTTA 360  
QY 361 SVTLVNDLVLITAPNGTOYVGNDFTPSYNDNDGRNNVENVFINAPQSGTYTIEVQAYN 420  
DB 361 SVTLVNDLVLITAPNGTOYVGNDFTPSYNDNDGRNNVENVFINAPQSGTYTIEVQAYN 420  
QY 421 VPVGPQTFSLAIVN 434  
DB 421 VPVGPQTFSLAIVN 434

RESULT 14  
US-09-985-689A-7  
; Sequence 7, Application US/09985689A  
; Patent No. 6803222  
; GENERAL INFORMATION:  
; APPLICANT: HATADA, YUJI  
; APPLICANT: OGAWA, AKINORI  
; APPLICANT: KAGEYAMA, YASUSHI  
; APPLICANT: SATO, TSUYOSHI  
; APPLICANT: ARAKI, HIROYUKI  
; APPLICANT: SUMITOMO, NOBUYUKI  
; APPLICANT: OKUDA, MITSUYOSHI  
; APPLICANT: SAEKI, KATSUHISA  
; TITLE OF INVENTION: Alkaline proteases  
; FILE REFERENCE: 215483USO  
; CURRENT APPLICATION NUMBER: US/09/985,689A  
; PRIOR FILING DATE: 2002-07-01  
; PRIOR APPLICATION NUMBER: JP P2000-355166  
; PRIOR FILING DATE: 2000-11-22  
; PRIOR APPLICATION NUMBER: JP P2001-114048  
; PRIOR FILING DATE: 2001-04-12  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 7  
; LENGTH: 433  
; TYPE: PRT  
; ORGANISM: Bacillus sp.  
US-09-985-689A-7

Query Match 94.6%; Score 2125.5; DB 2; Length 433;  
Best Local Similarity 93.5%; Pred. No. 6.2e-166;  
Matches 406; Conservative 19; Mismatches 8; Indels 1; Gaps 1;

QY 1 NDVARGIVKADVQAQSSYGLYGQGIIVAVADTGLDTRNDSSMHEAFRGKITALYALGRTN 60  
DB 1 NDVARGIVKADVQAQSSYGLYGQGIIVAVADTGLDTRNDSSMHEAFRGKITALYALGRTN 60  
QY 61 NANDTNGHGHVAGSVLNGSTNKGMAPOANLVFQSIIMDSGGGLGGLPSNLQTLFQAYS 120  
DB 61 NANDPNGHGHVAGSVLGN-ATNKGMAPOANLVFQSIIMDSGGGLGGLPSNLQTLFQAYS 119  
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DB 120 AGARIHNSWGAANGVAYTTDSRVNDDYVRKNDMTILFAAGNEGPNCGTISAPGTAKNAI 179  
QY 181 TVGATENLRPSFGSYADNINHVAFSSRGPTKDGRIKPDVWAPGTFTLSARSSLPDSSF 240  
DB 180 TVGATENLRPSFGSYADNINHVAFSSRGPTKDGRIKPDVWAPGTFTLSARSSLPDSSF 239  
QY 241 WANHDSKYAVMGCTSMATPIVAGNVAQLREHFVVRGRTTPKPSLLKAAIAGADIGLY 300  
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QY 301 PNGNOGWRVTLDKSLNVAVYNESSLSSTOKATYSFTATAGKPLKISLVNSDAPASTTA 360  
DB 301 PNGNOGWRVTLDKSLNVAVYNESSLSSTOKATYSFTATAGKPLKISLVNSDAPASTTA 360

DB 300 PNGNOGWRVTLDKSLNVAVYNESSLSSTOKATYSFTATAGKPLKISLVNSDAPGSTTA 359  
QY 361 SVTLVNDLVLITAPNGTOYVGNDFTPSYNDNDGRNNVENVFINAPQSGTYTIEVQAYN 420  
DB 360 SVTLVNDLVLITAPNGTOYVGNDFTPSYNDNDGRNNVENVFINAPQSGTYTIEVQAYN 419  
QY 421 VPVGPQTFSLAIVN 434  
DB 420 VPVGPQTFSLAIVH 433

RESULT 15  
US-08-873-479-42  
; Sequence 42, Application US/08873479  
; Patent No. 5891701  
; GENERAL INFORMATION:  
; APPLICANT: Sloma, Alan  
; APPLICANT: Lynne, Christianson  
; TITLE OF INVENTION: Nucleic Acids Encoding A Polypeptide  
; TITLE OF INVENTION: Having Protease Activity  
; NUMBER OF SEQUENCES: 57  
; CORRESPONDENCE ADDRESS:  
; ADDRESS: No. 5891701o No. 5891701disk of No. 5891701th America  
; STREET: 405 Lexington Avenue  
; CITY: New York  
; STATE: NY  
; COUNTRY: USA  
; ZIP: 10174  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: PASEQ for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/873.479  
; FILING DATE: 12-JUN-1997  
; CLASSIFICATION: 530  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Agrie, Cheryl H  
; REGISTRATION NUMBER: 34,086  
; REFERENCE/DOCKET NUMBER: 5251.000-US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212-867-0123  
; TELEFAX: 212-878-9655  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 42:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 641 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; FRAGMENT TYPE: internal  
US-08-873-479-42

Query Match 94.6%; Score 2125.5; DB 1; Length 641;  
Best Local Similarity 93.5%; Pred. No. 1.1e-165;  
Matches 406; Conservative 19; Mismatches 8; Indels 1; Gaps 1;

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DB 269 NANDPNGHGHVAGSVLGN-ATNKGMAPOANLVFQSIIMDSGGGLGGLPSNLQTLFQAYS 327  
QY 121 AGARIHNSWGAANGVAYTTDSRVNDDYVRKNDMTILFAAGNEGPNCGTISAPGTAKNAI 180  
DB 328 AGARIHNSWGAANGVAYTTDSRVNDDYVRKNDMTILFAAGNEGPNCGTISAPGTAKNAI 387  
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DB 181 TVGATENLRPSFGSYADNINHVAFSSRGPTKDGRIKPDVWAPGTFTLSARSSLPDSSF 240

us-10-820-714a-1.rai

Mon Apr 10 06:49:18 2006

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Db 388 TVGATENLRPSFGSYADNINHVAQFSSRGPTRDGRIKPDVMAPTIILSARSSLAPDSSF 447
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Db 448 WANHDSKYAYMGTSMATPIVAGNVAQLREHFVKRGITPKFSLKKAALIAGAADVGLGF 507
Qy 301 PNGNQGWRVTLDKSLNVAYNVNESSLSSTOKATYSFTATAGKPLKISLVMSDAPASTTA 360
Db 508 PNGNQGWRVTLDKSLNVAFVNETSPLSTOKATYSFTATAGKPLKISLVMSDAPGSTTA 567
Qy 361 SVTLVNDLVLITAPNGTOYVGNDFTSYNDNWDGNNVFNAPQSGTYTIEVOAYN 420
Db 568 SLTLVNDLVLITAPNGTKYVGNDFYAPYDNNWDGNNVFNAPQSGTYTIEVOAYN 627
Qy 421 VPVGPOTFSLAIVN 434
Db 628 VPVSPOTFSLAIVH 641

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Search completed: April 7, 2006, 09:41:08  
Job time : 30 secs